



21st Century Readiness for Every Student

**Governor's Transforming Education in Kentucky
Task Force
March 9, 2010**

**Helen Soule, PhD
Director of State Partnerships**



**PARTNERSHIP FOR
21ST CENTURY SKILLS**





Overview

- Who is the Partnership?
- What is the Framework for 21st Century Learning?
- How is the Framework being used?
- How can Kentucky become our Partner?





Who is the Partnership?

<https://thepartnershipfor21stcenturyskills238.eduvision.tv/default.aspx>



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P21 Members



Adobe



AMERICAN ASSOCIATION
OF SCHOOL LIBRARIANS



LEARN. TEACH. LEAD.



Blackboard



cable in the
classroom
Kids. Cable. Learning.



Education



Education Networks of America *Listening. Learning. Leading.®*



GALE
CENGAGE Learning



HOUGHTON
MIFFLIN
HARCOURT



Junior
Achievement®

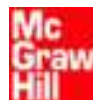


KnowledgeWorks
Foundation

The
Leadership
and Learning
Center™



lenovo.



Education



Measured
Progress



Great Public Schools for Every Child



Nellie Mae
Education
Foundation

Opening Doors to Tomorrow



Project Management Institute
Educational Foundation

PEARSON



SCHOLASTIC



sesameworkshop.
The nonprofit educational organization
behind Sesame Street and so much more



The WALT Disney Company



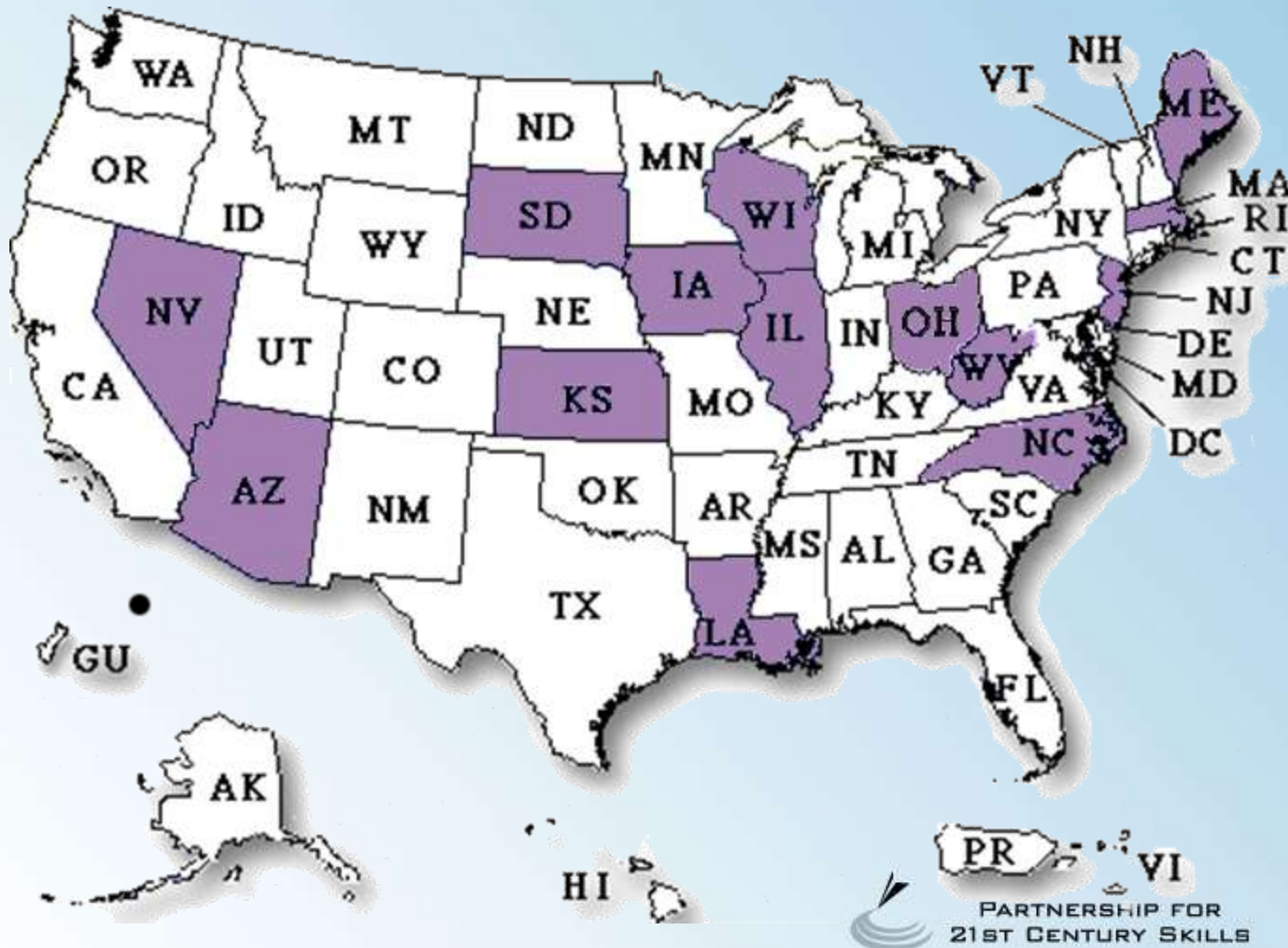
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P21 State Leadership Initiative

Current State Partners

- Arizona
- Illinois
- Iowa
- Kansas
- Louisiana
- Maine
- Massachusetts
- Nevada
- New Jersey
- North Carolina
- Ohio
- South Dakota
- West Virginia
- Wisconsin





Leading Models:

There are leading models around the country that embrace 21st century readiness:

- New Tech
- IB
- Expeditionary Learning
- Asia Society
- Career Academies





Many Leading Districts such as:

- Catalina Foothills School District
- Chesterfield County Public Schools
- East Syracuse-Minoa Central School District





"I'm calling on our nation's governors and state education chiefs to develop standards and assessments that don't simply measure whether students can fill in a bubble on a test, but whether they possess 21st century skills like problem-solving and critical thinking and entrepreneurship and creativity."

President Barack Obama, 3/10/09, in an address to the U.S. Hispanic Chamber of Commerce



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**OUR COUNTRY IS COMPETING IN A
GLOBAL ECONOMY THAT DEMANDS
INNOVATION;**

**OUR EDUCATION SYSTEM MUST
KEEP UP.**



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Are our students ready for
the new global economy?



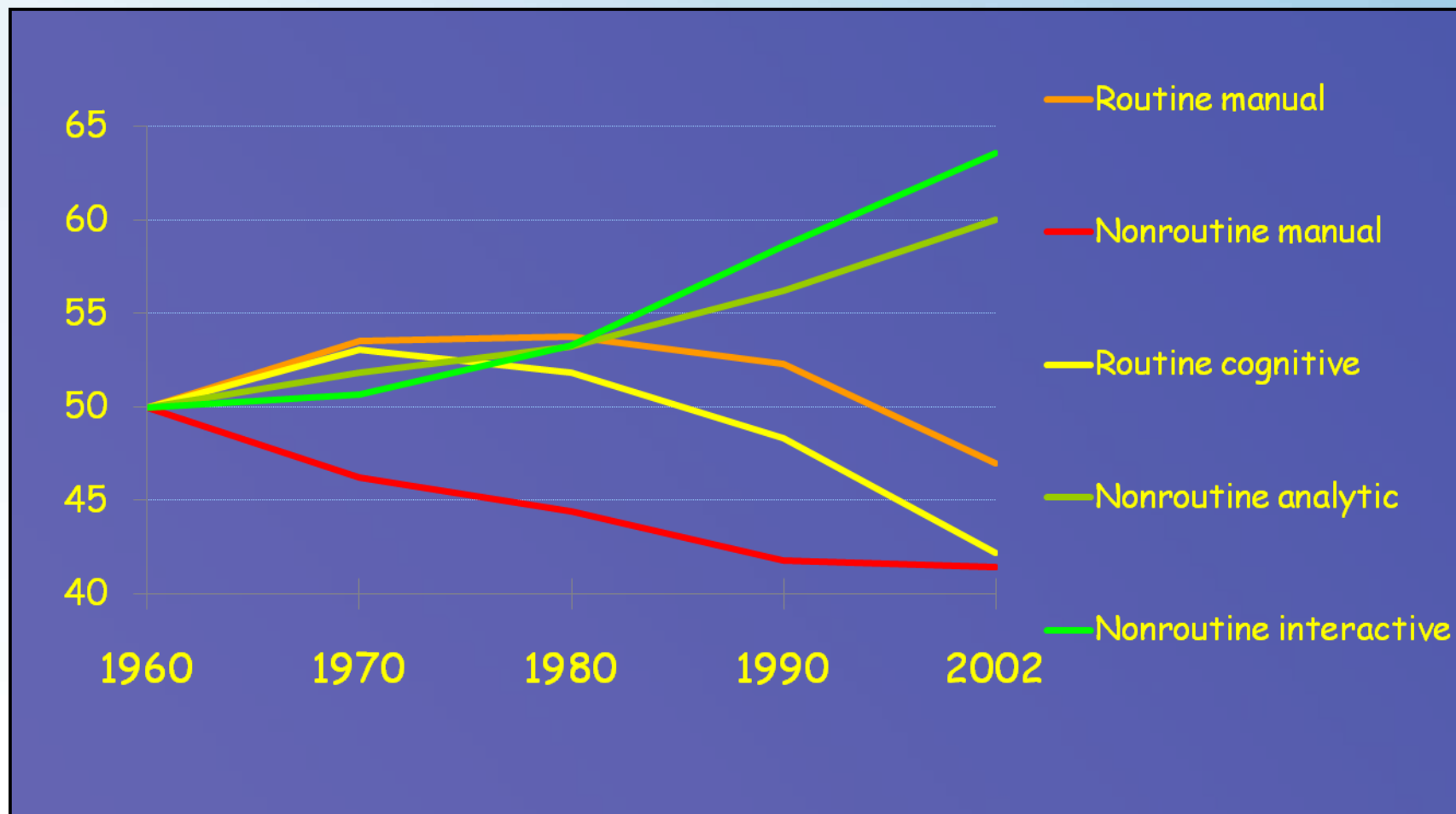
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How the demand for skills has changed

Economy-wide measures of routine and non-routine task input (US)

Mean task input as percentiles of the 1960 task distribution



(Levy and Murnane)



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Why 21st Century Skills?

- Of the High School Students that you recently hired, what were their deficiencies?

Written Communication	81%
Leadership	73%
Work Ethic	70%
Critical Thinking & Problem Solving	70%
Self-Direction	58%

*Source: Are They Really Ready to Work?
(2006) The Conference Board, Corporate
Voices for Working Families, P21, and SHRM*



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Why 21st Century Skills?

- What skills and content areas will be growing in importance in the next five years?

Critical Thinking	78%
I.T.	77%
Health & Wellness	76%
Collaboration	74%
Creativity and Innovation	74%
Personal Financial Responsibility	72%

*Source: Are They Really Ready to Work?
(2006) The Conference Board, Corporate
Voices for Working Families, P21, and SHRM*



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Why 21st Century Skills?

When asked on which skills colleges should place more emphasis, employers said:

Able to effectively communicate, oral/written	89%
Critical Thinking/Analytical Reasoning Skills	81%
Apply knowledge/skills to real-world settings through internships/other hands-on experience	79%
Able to analyze/solve complex problems	75%
Able to connect choice/actions to ethical decisions	75%

USA Today, 1/21/10, "What An Employer Wants"

Source: Peter Hart Research Associates



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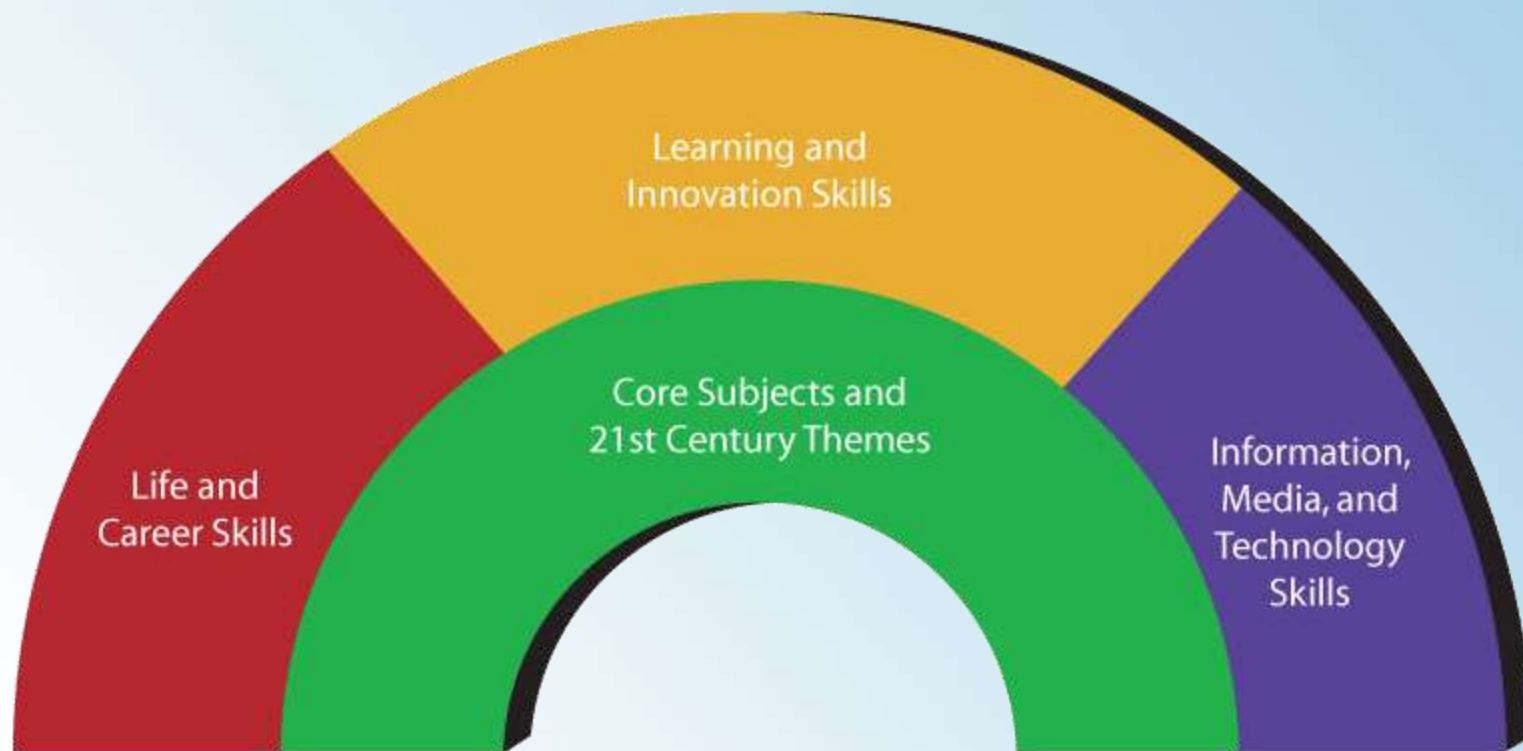


Content

Assessment



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Core Subjects

- Economics
- English
- Government
- Arts
- History
- Geography
- Reading or Language
- Arts
- Mathematics
- Science
- World Languages
- Civics

21st Century Themes

- Global Awareness
- Financial, Economic, Business & Entrepreneurship Literacy
- Civic Literacy
- Health Literacy
- Environmental Literacy





Learning & Innovation Skills

- Critical Thinking & Problem Solving
- Creativity & Innovation
- Communication & Collaboration

Life & Career Skills

- Flexibility & Adaptability
- Initiative & Self-Direction
- Social & Cross-Cultural Skills
- Productivity & Accountability
- Leadership & Responsibility

Information, Media & Technology Skills

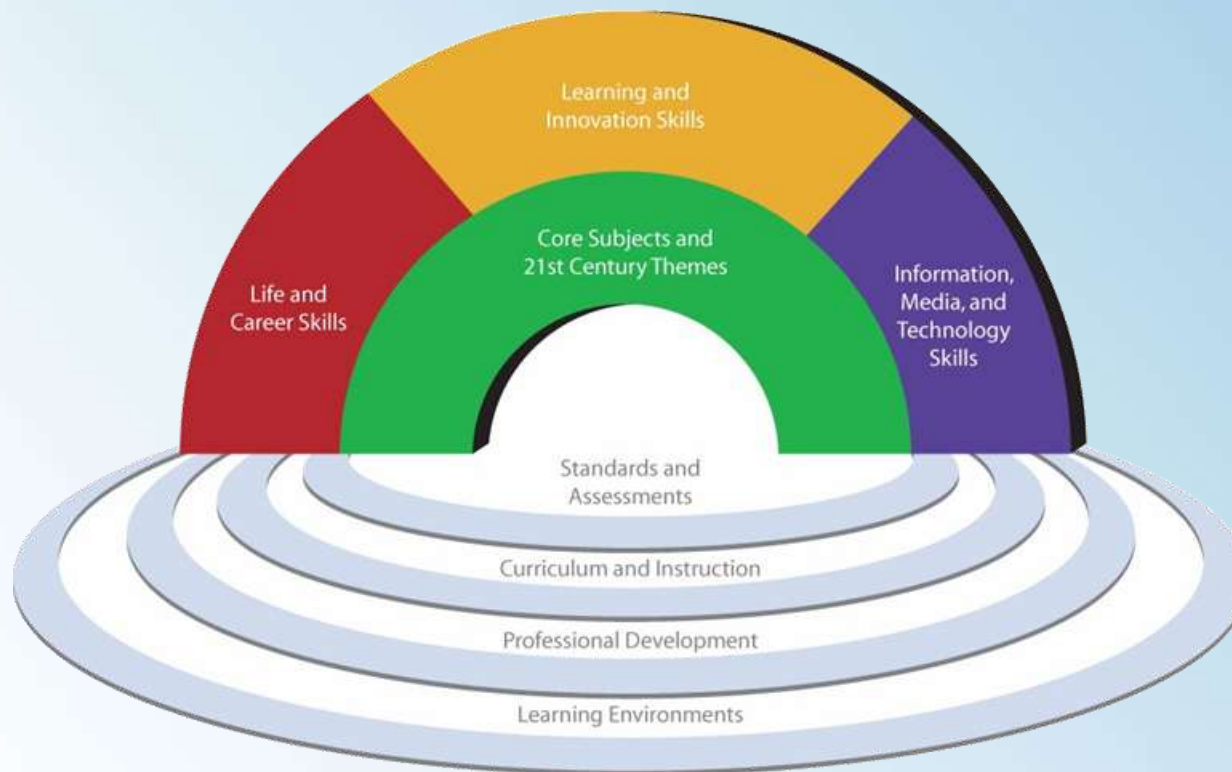
- Information Literacy
- Media Literacy
- ICT (Information, Communications & Technology) Literacy





Framework for 21st Century Learning

21st Century Student Outcomes and Support Systems



tinyurl.com/frameworkflyer

tinyurl.com/frameworkdefinitions



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**WE MUST FUSE THE THREE "R"s
WITH THE FOUR "C"s.**



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The four “C”s

- Critical thinking and problem solving
- Communication
- Collaboration
- Creativity and innovation

As the three “R”s serve as an umbrella for other subjects, the four “C”s do for other skills.





Fusing the three “R”s and the four “C”s

If you just master content, and you don't master the four “C”s, you won't be an effective 21st century citizen or a productive member of the global innovation economy.



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**POLICY MUST BE THE
CATALYST FOR CHANGE.**

**MOMENTUM ISN'T SUSTAINABLE
WITHOUT STATE AND FEDERAL
GOVERNMENTS CREATING THE
RIGHT POLICIES.**



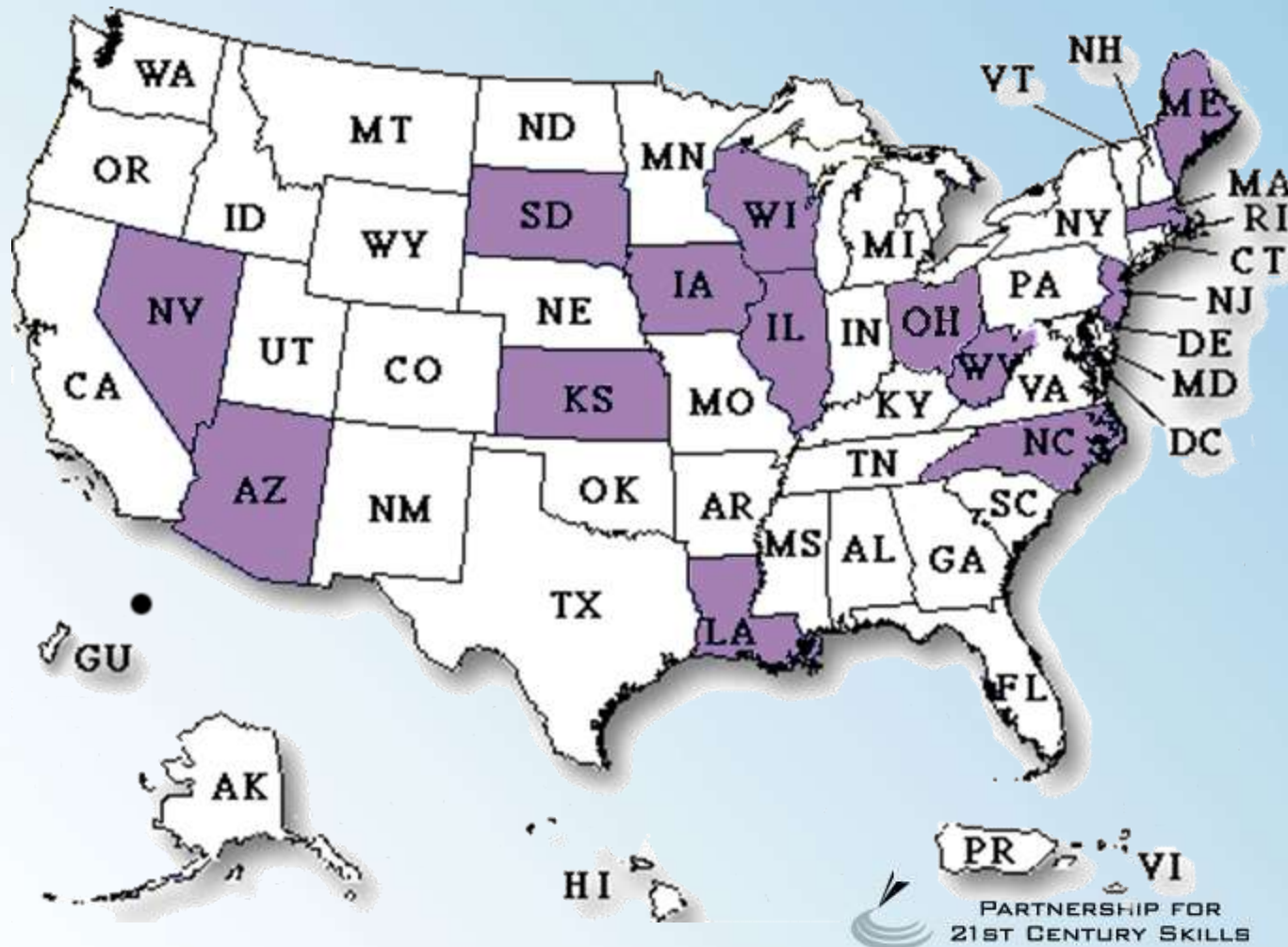
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P21 State Leadership Initiative

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- Wisconsin





P21 State Partnership Program

State Responsibilities

- High-profile leadership;
- Vision of 21st century readiness;
- Ongoing professional development;
- Standards and curriculum aligned with 21st century readiness;
- 21st century assessments;
- An effective communications strategy;
- An aggressive implementation strategy.





P21 State Partnership Program

The Process

- Complete a brief application
 - Addressing plans for incorporating 21st Century skills into standards, assessment and professional development
 - Broad stakeholder support, including the Governor and Superintendent
- Approved by the P21 Strategic Council





P21 State Partnership Program

Partnership Responsibilities

- Provide local, national and international recognition for your state's commitment to 21st century readiness;
- Provide advice on building a state-wide agenda, coalition and implementation plan;
- Assistance in aligning your state's 21st century readiness vision with existing initiatives;
- Providing resources and expertise on best practices including an annual state partners best practices institute;
- Advocate for public policy changes in support of 21st century teaching and learning.





Institute.21

What:

P21's annual best practices forum for its State Partners.

When:

June 14 and 15, 2010

Where:

Des Moines, Iowa with the support of the Iowa Department of Education.

Who:

Teams of state-level stakeholders from P21's State Partners



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CyberSummit and Summit

What:

P21's annual conference

When:

October , 2010

Where:

Online and in Washington DC

Who:

State and national leaders including P21's state partners and external audience



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Professional Development Affiliate Program

What:

3-day professional development for
P21 network of PD providers

When:

Four times a year

Where:

Regionally

Who:

State, regional or district teams; professional
development providers (discounts for state teams)



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Example of State Programs

Ohio's 21st Century Skills Site

<http://21stcenturyskillsOhio.org/>



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Search this site...

HOME

ABOUT US

CONTACT US

SUMMIT INFORMATION

SUMMIT REGISTRATION

DOWNLOAD THE SAVE THE DATE FLYER

Headline

Creating a Statewide Learning Community



Mark Your Calendar – May 4, 2010!

That's when a statewide summit will be held to engage and network local school leaders, teachers, government and policy makers, corporate and civic leaders in building a common language and vision for using 21st Century Skills as a change agent for education in Ohio. The event will recognize and celebrate Ohio's position as a "21st Century Leadership State" and begin the process for developing a comprehensive 21st Century Skills educational implementation plan. It is our goal to facilitate Ohio's move to become a 21st Century ...

[Read the full story »](#)

Featured



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Defining the 21st century student

North Carolina

State Board of Education Policy:

Future-Ready Students for the 21st Century

http://www.dpi.state.nc.us/state_board/



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North Carolina's ACRE Project

More Google Products x NCBCE x Gmail - Career and C... x NJ World Class Stand... x ACRE x 21st Century Skills O... x Creating a Statewide ... x

http://www.ncpublicschools.org/acre/

PUBLIC SCHOOLS OF NORTH CAROLINA State Board of Education | Department of Public Instruction

ACRE: ACCOUNTABILITY AND CURRICULUM REFORM EFFORT

EMPLOYMENT CALENDAR NEWSROOM QUICK LINKS Google Search!

ACRE HOME

- BASIS FOR CHANGE
- TIMELINE FOR CHANGE
- ESSENTIAL STANDARDS
- WRITING INSTRUCTION SYSTEM
- ACCOUNTABILITY REDESIGN
- COMPREHENSIVE ASSESSMENT
- RESOURCE ARCHIVE
- PODCASTS
- SUBSCRIBE - ACRE UPDATES
- ACRE DIRECTORY

ACCOUNTABILITY AND CURRICULUM REFORM EFFORT

COORDINATORS: [Cindy Williamson](#), Director of Curriculum and Technology
[Gary Williamson](#), Director of Accountability and Assessment

Curriculum
Employment
Licensure
Data & Statistics
Parents, Family & Community
Publication Sales
Events & Conferences
Education Directory

North Carolina's Accountability and Curriculum Reform Effort - also known as ACRE - is the state's comprehensive initiative to redefine the Standard Course of Study for K-12 students, the student testing program and the school accountability model. In undertaking this ambitious work, North Carolina education leaders are the first in the nation to address learning standards, student tests and school accountability simultaneously. Quite simply, this is the most important and significant work of the State Board of Education and Department of Public Instruction in a generation.

This work, being completed in stages over five years, will

- identify the most critical knowledge and skills that students need to learn - filtering the "must have" elements of the curriculum from the "nice to have" elements;
- create new student tests for grades 3-8 and high school courses that use more open-ended questions, more technology and more real-world applications of what students learn; and
- provide a new model for measuring school success that gives parents and educators more relevant information about how well schools are preparing students for college, work and adulthood.

North Carolina was a pioneer in school accountability in the mid-1990s when the state's education and political leaders developed the ABCs of Public Education, the current school accountability model. At that time, few states were able to measure student academic growth from year to year and use this information to evaluate school performance.

With ACRE North Carolina once again finds itself in a pioneer role. When the ACRE work is in place

10:39 AM 3/8/2010



West Virginia

Focus on what it looks like in the classroom.



Teach 21:
www.wvde.state.wv.us/teach21
/



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New Jersey's World Class Standards

More Google Products x North Carolina x Gmail - Career and C... x Welcome To NJ Core... x ACRE x 21st Century Skills O... x Creating a Statewide ... x

http://njcccs.org/home.aspx

Academic Standards
2009 New Jersey Core Curriculum Content Standards

HOME ADMIN



NJ World Class Standards

Resources By Content Area

Search Standards

Professional Development

Preparing New Jersey Students to Connect, Collaborate and Compete in a Global Society

Podcasts/Videos

Big Thinkers: Linda Darling-Hammond on Becoming Internationally Competitive

For Professional Discussion

- Blog - On My Mind by a NJ educator, Will Richardson, who discusses the "seeming separation between teacher and learning" in a posting entitled Teachers as Master Learners

Digital Learners

- Harness Your Students' Digital Smarts - Edutopia (video)
- Digital Tools Expand Options for Personalized Learning - Digital tools for defining and targeting students' strengths and weaknesses could help

Windows taskbar icons: Internet Explorer, Firefox, Google Chrome, and others.

System tray: 10:35 AM 3/8/2010

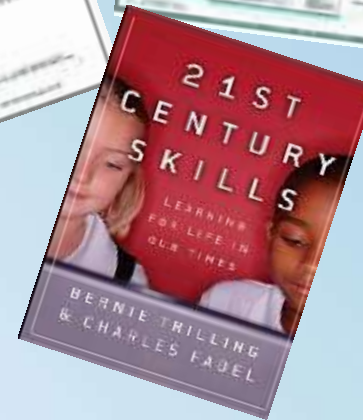
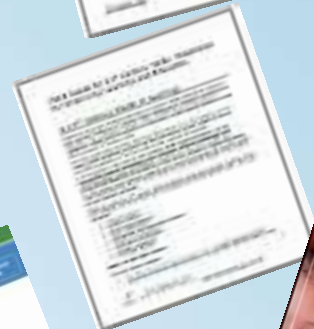


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Resources you can use

- P21 Framework
- Implementation Guides
- Content Skills Maps
- Mile Guide
- Route 21
- New Book on 21st C Skills
- Video Resources (Video 21)

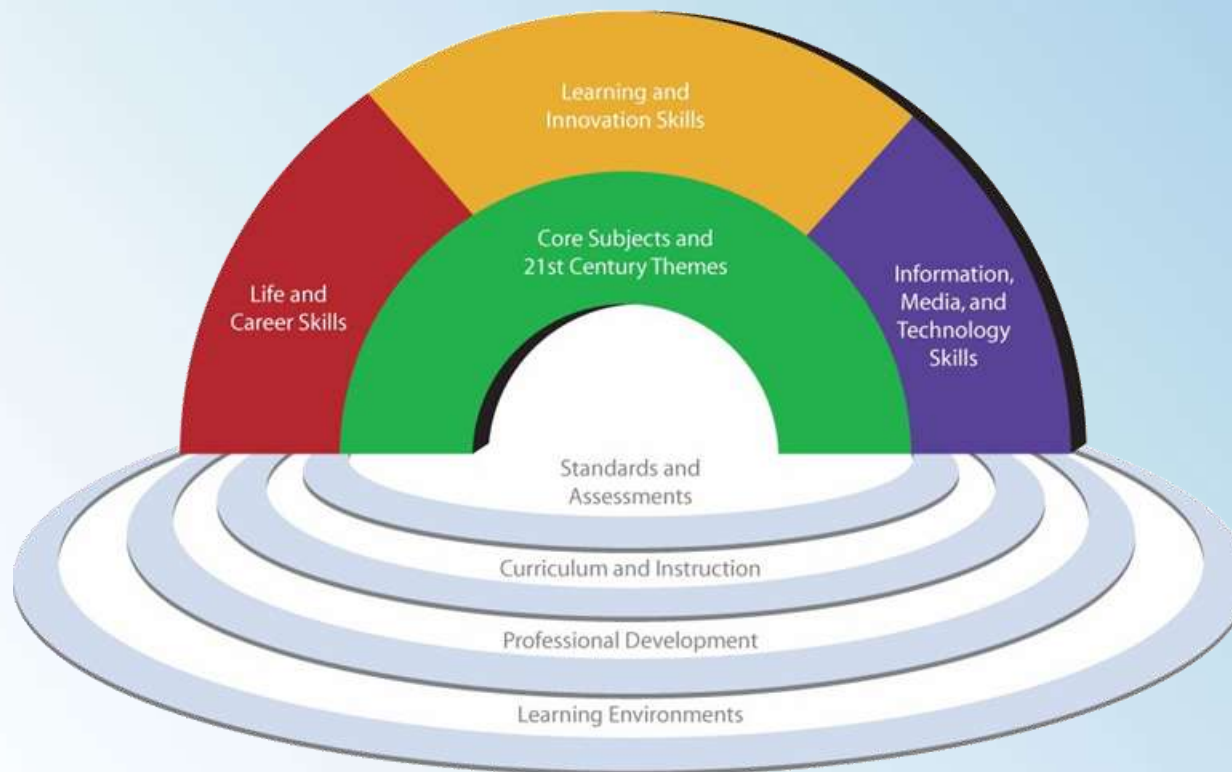


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Framework for 21st Century Learning

21st Century Student Outcomes and Support Systems



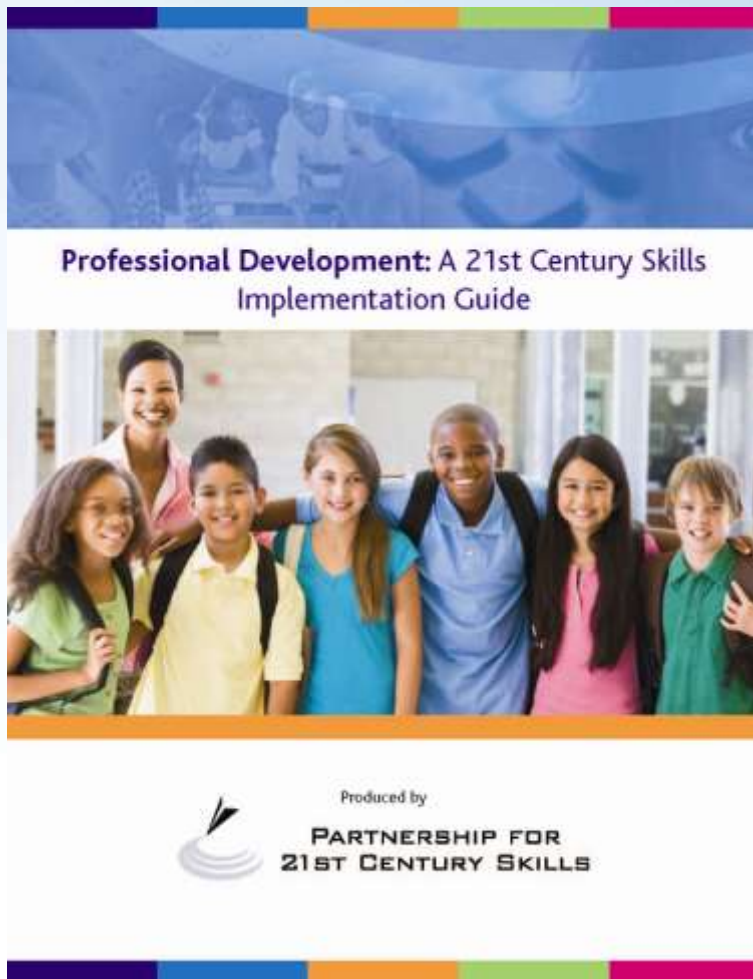
tinyurl.com/frameworkflyer

tinyurl.com/frameworkdefinitions



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Resources you can use



Implementation Guides

Brief, user-friendly guides for each of the P21 support systems:

- Professional Development
- Curriculum & Instruction
- Assessment
- Standards
- Learning Environments



Resources you can use

P21's 21st century skills Core Subject Maps:

21st Century Skills Map
CREATED IN COOPERATION WITH THE NATIONAL COUNCIL FOR THE SOCIAL STUDIES

This 21st Century Skills Map is the result of hundreds of hours of research, development and feedback from educators and business leaders across the nation. The Partnership has issued this map for the core subject of Social Studies. This tool is available at www.21stcenturyskills.org.

The Partnership advocates for the integration of 21st Century Skills into K-12 education so that students can advance their learning in core academic subjects.

The Partnership has forged alliances with key national organizations that represent the core academic subjects, including Social Studies, English, Math, Science and Geography. As a result of these collaborations, the Partnership has developed this map to illustrate the intersection between 21st Century Skills and Social Studies. The map will enable educators, administrators and policymakers to gain concrete examples of how 21st Century Skills can be integrated into core subjects.

A 21st Century Skills
B Skill Definition

C Interdisciplinary Theme
D Sample Student Outcome/Examples

An example from the Social Studies 21st Century Skills Map illustrates sample outcomes for teaching Critical Thinking and Problem Solving.

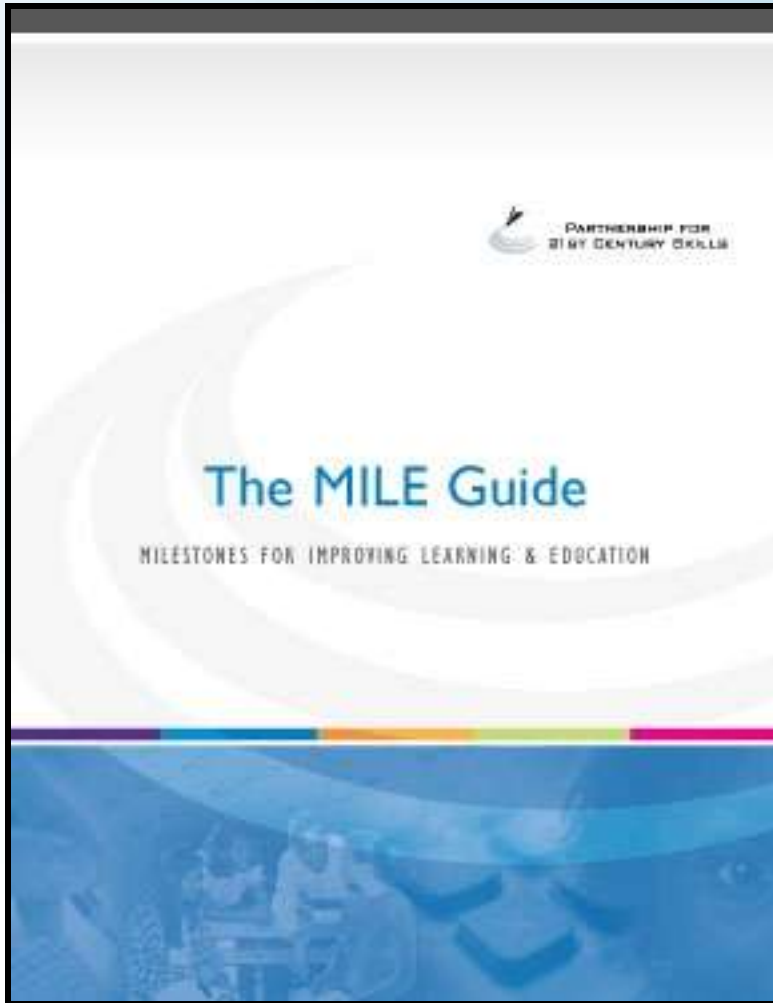
PARTNERSHIP FOR 21ST CENTURY SKILLS
177 N. Church Avenue, Suite 305 • Tucson, AZ 85701 • 520-622-2466 • 21stcenturyskills.org • Publication date: 2007

- English
- Social Studies
- Geography
- Science
- Arts (2010)





Resources you can use



The MILE Guide

P21's self-assessment tool
for schools and
districts

www.21stcenturyskills.org/mileguide



The MILE Guide *(continued)*

The ability to assess readiness and progress in terms of:

- Student Knowledge and Skills
- Education Support Systems
- Education Leadership

- Policymaking
- Partnering
- Continuous Improvement and Strategic Planning

[illegible]

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Resources you can use

The screenshot shows the Route 21 website. At the top, there's a navigation bar with links: Login, My Profile, About Us, Help, Search Materials, and an Advanced Search button. Below this is a large orange shield logo with 'ROUTE 21' inside. To the right of the logo are four buttons: '21st Century Skills', '21st Century Support Systems', 'Resources for 21st Century Skills', and '21st Century States'. On the left side, there's a sidebar with a map, a 'what's new' section listing 'NEWS & ANNOUNCEMENTS' with statistics (1253 materials, 241 recently added, 5529 members, 3022 recently joined) and a 'show more' link. Below that is a 'TAKE A TOUR' button. At the bottom of the sidebar is a 'browse BY SUPPORT SYSTEM' section with links for Assessment, Curriculum and Instruction, Learning Environments, and Professional Development. The main content area has a heading 'Welcome to Route 21' and a paragraph: 'The Partnership for 21st Century Skills is pleased to offer Route 21, a one-stop-shop for 21st century skills-related information, resources and community tools. To get started, [take a tour](#) or [explore the P21 framework](#).' Below the text is a large graphic of a rainbow arching over four concentric circles. The rainbow segments are labeled: 'Learning and Innovation Skills' (yellow), 'Core Subjects and 21st Century Themes' (green), 'Life and Career Skills' (red), and 'Information, Media, and Technology Skills' (purple). The concentric circles are labeled from top to bottom: 'Standards and Assessments', 'Curriculum and Instruction', 'Professional Development', and 'Learning Environments'.

Route 21

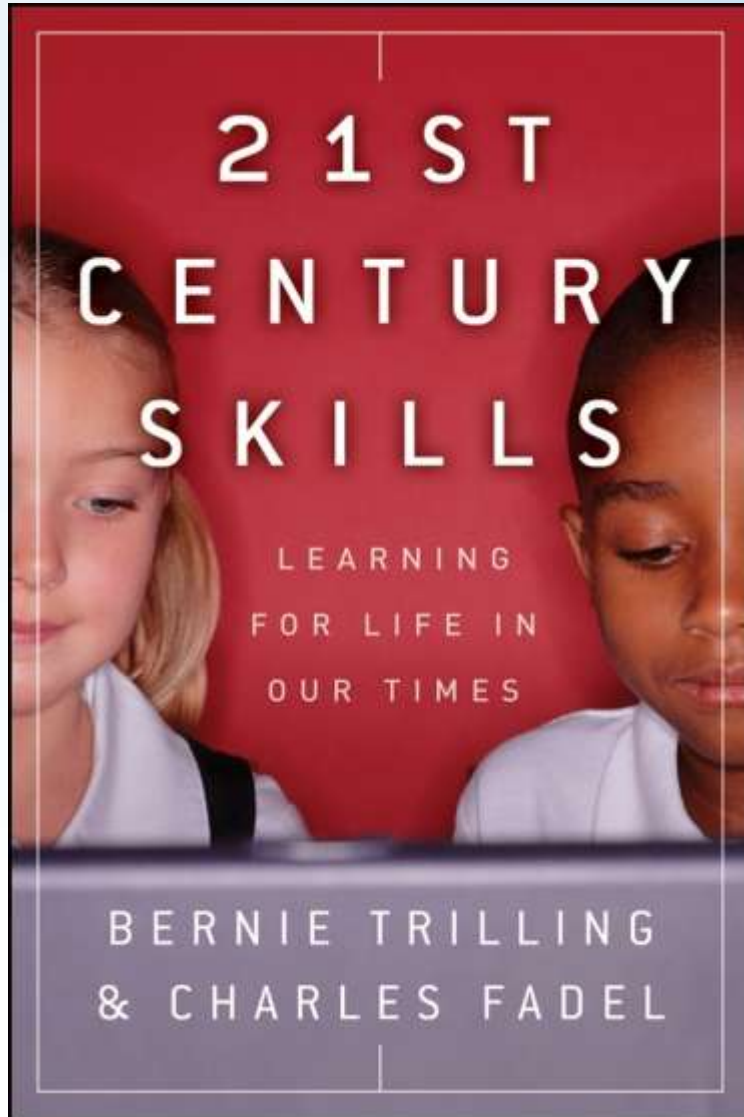
An online
sharing and
community
resource

www.21stcenturyskills.org/route21



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Resources you can use



New Book by
Bernie Trilling
And Charles Fadel

www.21stcenturyskillsbook.com



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Resources you can use



Video21

View P21's online collection of videos showing what 21st century education looks like in the classroom.

www.21stcenturyskills.org/video21



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Are our students ready for
the new global economy?



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CONCLUSION

**JOIN US in ENSURING 21st
CENTURY READINESS FOR
EVERY STUDENT!**



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Contact Us

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Suite 305
Tucson, AZ 85701
(520) 623-2466

www.21stcenturyskills.org

Twitter: [kenkayp21](https://twitter.com/kenkayp21)

The screenshot shows the website for the Partnership for 21st Century Skills. At the top, there is a navigation bar with the organization's logo and links for STATE INITIATIVES, FRAMEWORK, EVENTS & NEWS, ABOUT US, and RESOURCES. Below the navigation bar, there are two main images: a young man using a laptop and a young woman reading a book. The main content area is divided into three sections. On the left, there is a 'SUBSCRIBE' section with a text input field and a 'go' button. In the center, there is a 'HIGHLIGHTS' section with the title 'First Online Resource Dedicated to 21st Century Skills Teaching and Learning is Launched' and a brief description of the 'Route 21' resource. On the right, there is an 'IN THE NEWS' section with two news items: 'U.S. Students Need 21st Century Skills to Compete in a Global Economy' and 'Americans Express Strong Support in National Poll for Teaching More Than Basic Skills'.

PARTNERSHIP FOR 21ST CENTURY SKILLS ▲ STATE INITIATIVES ▲ FRAMEWORK ▲ EVENTS & NEWS ▲ ABOUT US ▲ RESOURCES

The leading advocacy organization infusing 21st century skills into education.

SUBSCRIBE
Subscribe to receive email updates

Contact Us

HIGHLIGHTS
First Online Resource Dedicated to 21st Century Skills Teaching and Learning is Launched
Route 21 Provides Extensive Database on 21st Century Skills-Related Standards, Assessments, Curriculum, Professional Development and Learning Environments

WASHINGTON, DC - Nov. 7, 2007 - Americans increasingly recognize that the U.S. education system can and should do more to prepare our young people to succeed in the rapidly evolving 21st century. Skills such as global literacy, problem solving, innovation and creativity have become critical in today's increasingly interconnected workforce and society. To help education leaders and policymakers implement 21st century teaching and learning, the Partnership for 21st Century Skills launched Route 21, an online, one-stop shop for 21st century skills-related information, resources and tools.

IN THE NEWS
U.S. Students Need 21st Century Skills to Compete in a Global Economy
Americans Express Strong Support in National Poll for Teaching More Than Basic Skills

WASHINGTON, DC - Oct. 10, 2007 - A new, nationwide poll of registered voters reveals that Americans are deeply concerned that the United States is not preparing young people with the skills they need to compete in the global economy.



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